

DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES

Office of Structural Materials

Quality Assurance and Source Inspection



Bay Area Branch
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Contract #: 04-0120F4Cty: SF/ALA Rte: 80 PM: 13.2/13.9File #: 69.28**WELDING INSPECTION REPORT****Resident Engineer:**Pursell, Gary**Address:** 333 Burma Road**City:** Oakland, CA 94607**Report No:** WIR-012152**Date Inspected:** 19-Jan-2010**Project Name:** SAS Superstructure**OSM Arrival Time:** 645**Prime Contractor:** American Bridge/Fluor Enterprises, a JV**OSM Departure Time:** 1845**Contractor:** Zhenhua Port Machinery Company, Ltd (ZPMC), Changxing Island **Location:** Shanghai, China**CWI Name:** Li Jia**CWI Present:** Yes No**Inspected CWI report:** Yes No N/A**Rod Oven in Use:** Yes No N/A**Electrode to specification:** Yes No N/A**Weld Procedures Followed:** Yes No N/A**Qualified Welders:** Yes No N/A**Verified Joint Fit-up:** Yes No N/A**Approved Drawings:** Yes No N/A**Approved WPS:** Yes No N/A**Delayed / Cancelled:** Yes No N/A**Bridge No:** 34-0006**Component:** Orthotropic Box Girder (OBG) Components**Summary of Items Observed:**

On this date Caltrans Office of Structural Materials Quality Assurance Inspector, Sandeep Kumar (QA) was present during the times noted above for observations relative to the work being performed.

BAY 7

This QA Inspector observed the following work in progress:

Flux Core Arc Welding (FCAW):

Weld joint # 003 located on Traveler Rail 22TR1 – 002. Welder is identified as 066401. ZPMC Quality Control (QC) Inspector is identified as Zhou Jie. The welding variables recorded by QC appeared to comply with the WPS – B – T – 2232 – Tc – U5 – F.

SEGMENT 5AE

Magnetic Particle Testing (MT)

This Quality Insurance Inspector (QA) performed 100% verification MT for OBG segment 5AE, Deck Panel Diaphragm to U-rib welds area. These welds were previously tested and accepted by ZPMC QC MT technicians.

The weld designations reviewed are as follows:

DP-459-PP30-058, 059; 061; 063; 064; 066; 069; 071; 072; 074; 076; 077; 079; 082; 084; 085; 087; 088; 090; 092; 093; 095; 096; 098

WELDING INSPECTION REPORT

(Continued Page 2 of 2)

DP-486-PP30-036; 037; 039; 041; 042; 044; 046; 047; 049; 050; 052; 054; 055; 057; 058; 060

DP-324-001-PP30-047; 048; 050; 052; 053; 055; 057; 058; 060; 061; 063; 065; 066; 068; 069; 071; 073; 074; 076;
077; 079

DP-378-PP30-058; 059; 061; 063; 064; 066; 068; 069; 071; 072; 074; 076; 077; 079; 080; 082; 084; 085; 087;
088; 090; 092; 093; 095; 096; 098

DP-405-PP30-058; 059; 061; 063; 064; 066; 068; 069; 071; 072; 074; 076; 077; 079; 080; 082; 084; 085; 087;
088; 090; 092; 093; 095; 096; 098

DP-432-PP30-058 ~099

DP-297-PP30-036~061

DP-351-PP30-058 ~099

DP-324-002-PP30-047~080

Unless otherwise noted, all work observed on this date appeared to generally comply with applicable contract documents.

Summary of Conversations:

No Relevant Conversations.

Comments

This report is for the purpose of determining conformance with the contract documents and is not for the purpose of making repair or fit for purpose recommendations. Should you require recommendations concerning repairs or remedial efforts please contact Eric Tsang - 15000422372, who represents the Office of Structural Materials for your project.

Inspected By:	Kumar,Sandeep	Quality Assurance Inspector
Reviewed By:	Hall,Steven	QA Reviewer
